

NOVEMBER/DECEMBER 2024

**23PEMB23B — CLINICAL AND
DIAGNOSTIC MICROBIOLOGY**

Time : Three hours

Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL the questions.

1. Define biomedical waste.
2. What is re-emerging infections?
3. List out the media used for the transportation of clinical samples.
4. Comments on the criteria involves in rejection of specimen.
5. Infer on immunological assays.
6. Outline the microbial causing diseases.
7. What is MBC?
8. Interpret E-test.
9. Expand HICC.
10. Recall the mode of transmission in nosocomial infections.



SECTION B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) Add notes on general safety guidelines.
Or
(b) Explain the handling of biological hazards.
12. (a) Write a short notes on specimen acceptance.
Or
(b) Make up notes on collection and examination of blood sample.
13. (a) Write about modern diagnostic methods.
Or
(b) Describe the molecular diagnosis of microbial diseases.
14. (a) Briefly describe Agar dilution method.
Or
(b) Write notes on quality control of antibiotics.
15. (a) Give notes on the control measures of nosocomial infections.
Or
(b) State and explain pathogenesis of nosocomial infections.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Describe in detail the biomedical waste management.
17. Explain collection, transport and examination of urine sample.
18. Write in detail about the automation of microbial diseases.
19. Make a detailed notes on MIC.
20. Explain in detail about Hospital infection control committee (HICC) and functions.